

Personal Energy Audit Worksheet

Use this form to calculate your own energy footprint ~

1 - In your personal vehicle

Miles driven per month _____ / _____ MPG of your personal vehicle x 114,000 (Btu) = _____ (monthly vehicle Btu)

2 - At work

Energy consuming items you are responsible for at work (number of hours per month x Watts)

Computer -- (500 Watts) x _____ hours per month = _____ (Watt hours per month)

Monitor(s) -- (150 Watts each) x _____ hours per month = _____ (Watt hours per month)

Printer/copier -- (500 Watts) x _____ hours per month = _____ (Watt hours per month)

Fan -- (100 Watts) X _____ hours per month = _____ (Watt hours per month)

Lamp/lights -- (100 Watts) x _____ hours per month = _____ (Watt hours per month)

Phone charger -- (3 Watts) x _____ hours per month = _____ (Watt hours per month)

Subtotal -- "work" Watt hours _____ / 1000 (1 kW) x 3413 Btu per kWh = _____ (monthly work energy Btu)

3 - At home

Energy analysis from your monthly utility bills

Electricity -- Number of kWh per month _____ x 3413 Btu = _____ (electricity Btus)

Natural Gas -- Number of cubic feet of natural gas _____ x 1020 Btu = _____ (natural gas Btus)

Subtotal -- Add electricity Btus _____ + natural gas Btus _____ = _____ (monthly home energy Btus)

Add the total from each of the three areas to determine your total personal energy Btus per month = _____

Source: AFSOC Energy Awareness newsletter, October 2010 edition